



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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January 14, 2002

CERTIFIED RETURN RECEIPT

7099 3400 0016 8896 4202

Bryce H. Haas
B & C Limestone Mine
P.O. Box 289
Gunnison, Utah 84634

Re: Initial Review of Amended Notice of Intention to Commence Large Mining Operations, Bryce Haas, B&C Limestone Mine, M/039/013, San Pete County, Utah

Dear Mr. Haas:

The Division has completed a review of your draft Notice of Intention to Amend Large Mining Operations for the B&C Limestone quarry, located in San Pete County, Utah, which was received December 19, 2001. After reviewing the information, the Division has the following comments which will need to be addressed before approval may be granted. The comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion. Please respond to this review by February 15, 2002.

The Division will suspend further review of the B & C Limestone mine amended notice until your response to this letter is received. If you have any questions in this regard please contact me, Lynn Kunzler, or Doug Jensen of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

A handwritten signature in cursive script that reads "D. Wayne Hedberg".

D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

jb
Attachment: Review of Amendment
cc Lynn Kunzler, DOGM

INITIAL REVIEW OF AMENDED NOTICE OF INTENTION, LARGE MINING OPERATIONS

**B&C Limestone
B&C Limestone Mine**

M/039/013

R647-4-105 - Maps, Drawings & Photographs

105.1 Topographic base map, boundaries, pre-act disturbance

A complete and correct topographic base map (or maps) with appropriate contour intervals must be submitted with the notice. The map scale should be approximately 1 inch = 500 feet. The map (s) must show the location of lands to be affected in sufficient detail to allow measurement of the proposed area of surface disturbance. (DJ)

105.2 Surface facilities map

The surface facilities map should be a scaled map for calculation purposes, the scale should be not less than 1 inch = 500 feet. (DJ)

Please explain why the 8-2-01 disturbance outline shown on the Surface Facilities Map is smaller than the 4-12-00 outline. (DJ)

A reclamation treatments map needs to be included, delineating the areas of the site to receive various reclamation treatments, i.e., shading, cross-hatching or color coding areas to identify the types of reclamation treatments and where they will be applied. (DJ)

105.3 Drawings or Cross Sections (slopes, roads, pads, etc.)

Please provide cross sections of the affected area showing the present ground surface, the proposed surface after mining and after final reclamation is completed. At least one cross section North South and one East West section through the existing pit and proposed impact area is needed. (DJ)

R647-4-106 - Operation Plan

106.2 Type of operations conducted, mining method, processing etc

The notice states that a list of equipment used on the site is listed on the Surface Facilities Map. The map does not include a list of equipment; please provide this information. (DJ)

106.6 Plan for protecting & redepositing soils

Please show the location and size of the topsoil stockpiles on the surface facilities map. (LK)

106.7 Depth to groundwater, extent of overburden, geology

The plan needs to be corrected to show the depth of groundwater within the vicinity of the mining operation. This information could be obtained from the recently completed well. (LK)

R647-4-107 - Operation Practices

107.5 Suitable soils removed & stored

The plan indicates that 4 inches of topsoil was salvaged, yet 12 inches will be replaced upon reclamation. Please explain where the additional 8 inches of soil material will come from. If this material is overburden, it needs to be stated in the plan. (LK)

107.6 Concurrent reclamation

The concurrent reclamation plan included in the notice states that “As soon as significant amounts of limestone are removed, and a hole develops, the overburden is backfilled in these locations with a dozer.” What size of hole will be considered significant? Please be more specific at what point concurrent reclamation will take place. (DJ)

R647-4-112 - Variance

The amendment includes a variance request for approximately 1.3 acres of pre-existing disturbance (pre-law pit) that had been backfilled by the operator. While this variance had previously been approved, the area is now currently being used as part of the ongoing operations (overburden storage) and the operator will be expected to reclaim this area. The requested variance is *denied*. (LK)

R647-4-113 - Surety

When the concerns outlined in this review are complete, the operator may include a preliminary surety estimate with their response. A blank copy of the Division’s surety form is attached. (DJ)

1	RECLAMATION SURETY EST	TE	(o:/data/bonding/	1d.wb2)		
2	Operator Name		last revision	08/02/00		
3	Mine Name		filename M000-000 WB2	page "estimate D10"		
4	DOG M file number	County				
5	Prepared by Utah State Division of Oil, Gas & Mining					
6	-This estimate uses a D10 size dozer for most earthwork					
7	Print block named "d10est" for the estimate page & "d10notes" for the notes page					
8						
9						
10						
11						
12						
13						
14						
15						
16						
17	Note: actual unit costs may vary according to site conditions		last unit cost update		2-Aug-2000	
18	-Amount of disturbed area which will receive reclamation treatments =			0.0 acres		
19	-Estimated total disturbed area for this mine =			0.0 acres		
20	<u>Activity</u>	<u>Quantity</u>	<u>Units</u>	<u>\$/unit</u>	<u>\$</u>	<u>Note</u>
21	Safety gates, signs, etc. (mtls & installation)	0	sum	200	0	(1)
22						
23	Demolition of buildings & facilities	0	CF	0.24	0	(2)
24	Debris & equipment removal - trucking	0	trips	50	0	(3)
25	Debris & equipment removal - dump fees	0	CY	55	0	(4)
26	Debris & equipment removal - loading trucks w/FE loader	0	hours	166	0	(5)
27	Demolition & debris removal - general labor	0	hours	15	0	(6)
28	Regrading facilities areas	0.0	acre	334	0	(7)
29						
30	Regrading waste dump slopes	0	CY	0.34	0	(8)
31	Ripping waste dump tops	0.0	acre	317	0	(9)
32						
33	Ripping stockpile & compacted areas	0.0	acre	317	0	(9)
34						
35	Ripping pit floors	0.0	acre	317	0	(9)
36	Ripping pit access roads	0.0	acre	317	0	(9)
37	Creating safety berms or barriers around highwalls	0	LF	0.11	0	(10)
38						
39	Ripping access roads - dozer	0.0	acre	317	0	(9)
40	Regrading access roads - dozer	0.0	acre	434	0	(7)
41	Sidecast mtl replacement on steep roads- trackhoe	0	LF	1.09	0	(11)
42	Surface drainage restoration or construction	0	LF	0.11	0	(10)
43						
44	Topsoil replacement - dozer	0	CY	0.34	0	(12)
45	Topsoil replacement - scraper	0	CY	1.15	0	(13)
46	Topsoil replacement - truck & FE loader	0	CY	2.60	0	(14)
47						
48	Mulching (2 ton/acre alfalfa)	0.0	acre	160	0	(00)
49	Fertilizing (100 lb/acre diammonium phosphate)	0.0	acre	90	0	(00)
50	Composted manure (10 ton/acre)	0.0	acre	300	0	(00)
51	Broadcast seeding (~20 lb/acre)	0.0	acre	225	0	(00)
52	Drill seeding (~13 lb/acre)	0.0	acre	205	0	(00)
53	Hydroseeding	0.0	acre	800	0	(00)
54						
55	General site cleanup & trash removal	0.0	acre	50	0	(00)
56						
57	Equipment mobilization	0	equip	1000	0	(00)
58						
59	Reclamation Supervision	0	days	386	0	(15)
60			Subtotal		0	
61	10% Contingency				0	
62			Subtotal		\$0	
63	Escalate for 5 years at 3.12% per yr				0	
64			Total		\$0	
65	Rounded surety amount in yr 2006-\$				\$0	
66	Average cost per disturbed acre =		ERR			

RECLAMATION SURETY ESTIMATE

Operator Name

Mine Name

DOGM file number

Prepared by Utah State Division of Oil, Gas & Mining

last unit cost update

(o /data/bonding/mine-bnd.wb2)

last revision

08/02/00

filename M000-000 WB2

page "estimate D10"

County

2-Aug-2000

Note

- (1) DOGM lump sum assumed
- (2) Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fees
- (3) Means 2000, 02225-730-5100, bldg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 100 miles round trip
- (4) Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bldg construction mtls
- (5) Rental Rate Blue Book 3Q/00, Cat 988B, 7CY \$85.64hr+\$39.60/hr, & Means 2000, Crew B-10U, loading trucks only \$40 87
- (6) DOGM assumed wage for unskilled general labor
- (7) Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
- (8) Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 100 ft push
- (9) Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1 0 mph
- (9) Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1 0 mph
- (9) Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
- (9) Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1 0 mph
- (10) Means 2000 & Blue Book 3Q/00: Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0 5CY/LF-berm assumed
- (9) Means 2000 & Blue Book 3Q/00: Cat D10N, U, multi shank rippers, speed 1.0 mph
- (7) Means 2000 & Rental Rate Blue Book 3Q/00. Cat D10N, U, mtl 2550 lb/CY, 75 ft push, 1 ft depth
- (11) Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road
- (10) Means 2000 & Blue Book 3Q/00 Cat D10N, U, mtl 2550 lb/CY, 50 ft push, avg vol 0 5CY/LF-berm assumed
- (12) Means 2000 & Blue Book 3Q/00 Cat D10N, U, mtl 2550 lb/CY, 100 ft push
- (13) Means 2000 & Blue Book 3Q/00 Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%,
- (14) Means 2000 02320-200-2030. earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip, no loading included
- (00) DOGM general estimate - mulching
- (00) DOGM general estimate - fertilizing
- (00) DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading
- (00) DOGM general estimate - broadcast seeding
- (00) DOGM general estimate - drill seeding
- (00) DOGM general estimate - hydroseeding
- (00) DOGM general estimate - site cleanup & trash removal
- (00) DOGM general estimate - equipment mobilization
- (15) Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk